

TOP SECRET**PRIORITY**

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IDEALIST

ATTN:

SUBJ: EVALUATION OF MISSION GT 170-65

1. CAMERAS I-1 AND I-2 WERE USED IN MISSION GT 170-65 FLOWN ON 2 JULY 1965. PROCESSING WAS ACCOMPLISHED BY EASTMAN KODAK.

2. ORIGINAL NEGATIVE:

A. THE EXPOSURE WAS ADEQUATE AND THE RESOLUTION IS GOOD.

B. FORWARD CAMERA (I-2): A MINUS DENSITY STREAK 0.75" FROM THE BINARY EDGE IS PRESENT THROUGHOUT THE MISSION. IRREGULAR FOG PATTERNS ARE APPARENT IN FRAME 1 AND IN FRAME 1315 TO 1326. THERE ARE HEAT SPLICES BETWEEN FRAMES 578/579 AND 1182/1183. A MANUFACTURING SPLICE IS LOCATED IN FRAME 831. RESOLUTION TARGETS WERE READ TO GIVE A GROUND RESOLUTION OF APPROXIMATELY 1.5'. A MALFUNCTION IN THE BINARY BLOCK IS OBVIOUS IN THAT THE CAMERA NUMBER WAS NEVER RECORDED. THE LAST TITLED FRAME WAS 1326.

C. AFT CAMERA (I-1): EMULSION GOUGES AND PINHOLES WERE NOTED THROUGHOUT THE MISSION. INTERMITTENT EDGE FOG ALONG THE CAMERA NUMBER EDGE WAS PRESENT AT THE BEGINNING OF THE MISSION. AN AREA OF OUT-OF-FOCUS IMAGERY IS PRESENT AT THE SUPPLY END OF EACH FRAME. THIS AREA CHANGES SLIGHTLY IN SHAPE, SIZE AND DEGREE OF SOFTNESS

30 JUL 1965 25X1

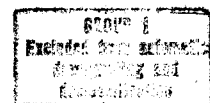
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-2-

BUT DOES NOT EXTEND MORE THAN 3.0" INTO THE FORMAT AT ANY TIME. THE DIGITAL COUNTER NUMBER EDGE OF THE FORMAT IS ALSO SLIGHTLY OUT-OF-FOCUS. THE RESOLUTION OF THE IMAGERY IS HIGHEST AT THE CAMERA NUMBER EDGE AND NOTICEABLY LESS AT THE DIGITAL COUNTER NUMBER EDGE. IT APPEARS THAT THE FILM WAS NOT IN THE PLANE OF FOCUS ALONG THIS EDGE THROUGHOUT THE MISSION. THE GROUND RESOLUTION OF THE GOOD IMAGERY IS BETWEEN 1 AND 1.5 FEET. THE CAMERA NUMBER AND LEFT BINARY CORRELATION LAMP ARE IMAGED INFREQUENTLY THROUGHOUT THE MISSION BEING ABSENT ON OVER 95 PERCENT OF THE FRAMES. WHEN PRESENT, THEY ARE BLOOMED. THE FIRST FRAME AND THE LAST FIVE FRAMES CONTAIN FOGGED AREAS. A HEAT SPLICE IS LOCATED BETWEEN FRAMES 694/695 AND A MANUFACTURER'S SPLICE IS LOCATED IN FRAME 694. THE LAST TITLED FRAME WAS 1324.

D. BOTH CAMERAS: OCCASIONAL SMEARED FRAMES CAUSED BY VEHICLE MANEUVERS WERE NOTED. STREAKS OF PLUS DENSITY AND STREAKS OF MINUS DENSITY WERE PRESENT THROUGHOUT THE MISSION. THESE WERE LOCATED AT RADOM THROUGHOUT THE FORMAT AND WERE USUALLY PARALLEL OR ALMOST PARALLEL TO THE MAJOR AXIS OF THE FILM. MOST WERE ONLY SLIGHTLY DETECTABLE AND WERE CONTINUOUS THROUGH NUMEROUS FRAMES. TRANSVERSE BANDING WAS ALSO DETECTABLE THROUGHOUT MOST FRAMES INDICATING AN UNEVEN SCAN RATE.

E. OTHER THAN THE MALFUNCTION OF THE CAMERA NUMBER AND ADJACENT BINARY CORRELATION LAMP THERE WERE NO MAJOR PROCESSING ANOMALIES OR CAMERA MALFUNCTIONS IN THIS MISSION.

F. CLOUDS DEGRADE OR OBSCURE APPROXIMATELY 10 PERCENT OF THIS MISSION.

T O P S E C R E T

-END OF MESSAGE-